

REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Claims 16-23 are pending in this application. Claims 1-15 have been cancelled without prejudice or disclaimer and new Claims 16-23 have been added without the introduction of any new matter.

The outstanding Office Action includes a rejection of Claims 1, 4, 6-8, 10-13 and 15-16 under 35 U.S.C. §102(b) as being anticipated by Scordills (WO 00/30208) and a rejection of Claim 14 under 35 U.S.C. §103(a) as being unpatentable over Scordills.

Before turning to the prior art rejections, it is believed that the brief review of the present invention would be helpful. The present invention is directed to a mobile radio apparatus equipped with an antenna arrangement including an exterior antenna that can be extended from the mobile radio apparatus so as to be connected with an RF circuit of the mobile radio apparatus via a capacitor-matching circuit arrangement on a flexible substrate also containing an interior antenna. Whether or not the exterior antenna is extracted from or retracted into the mobile radio apparatus, the interior antenna is capacitively coupled with the RF circuit of the mobile radio apparatus via the same capacitor and matching circuit arrangement.

With this arrangement, both the rod antenna and the interior antenna are effective using the same matching circuit on the flexible substrate when the rod antenna is extracted from the mobile radio apparatus while only the interior antenna is effective via this same matching circuit when the rod antenna is retracted into the mobile radio apparatus. See the specification at page 17, line 11-page 20, line 2, for example. This arrangement provides the advantages of increased bandwidth and gain as noted in the paragraph bridging pages 20 and 21 of the specification, for example.

The outstanding rejection of Claims 1, 4, 6-8, 10-13 and 15-16 under 35 U.S.C. §102(b) as being anticipated by Scordills and the outstanding rejection of Claim 14 under 35 U.S.C. §103(a) as being unpatentable over Scordills are believed to be moot in view of the cancellation of Claims 1-15.

Furthermore, it is not believed that the disclosure of Scordills can be said to render new Claims 16-23 unpatentable because it neither teaches or reasonably suggests the subject matter of these new claims.

In this last regard, FIG 3a of Scordills only discloses an antenna device wherein a matching circuit conductive pattern 3 and antenna elements (4 and 41) are formed together on the substrate 2. While antenna elements 4 and 41 on the substrate 2 are coupled to the matching circuit by a coupling capacitor also on the substrate 2, Scordills does not teach or suggest the subject matter of new Claims 16-23 that all require, *inter alia*, an antenna that can be extended and retracted that is combined with the further specified pattern antenna in the manner of these claims.

Moreover, while FIG. 8 of Scordills discloses that a rod antenna 9 and a pattern antenna 4 are coupled by a capacitor 32, the rod antenna 9 is connected in series to the capacitor 32 and then the pattern antenna 4 that has its other end connected to pattern 3. In such a configuration, the pattern antenna 4 and the conductive pattern 3 together operate as a matching circuit with respect to the rod antenna 9. There is no disclosure here of the continuous coupling of the pattern antenna that is required by Claims 16-23. Thus, although a high gain is realized by the rod antenna, only the rod antenna is effective as an antenna when it is extended and it is impossible to provide the increased bandwidth as in the present invention. Moreover, although FIG. 8 shows the rod antenna in the extended position, it does not show and Scordills does not explain the cooperation or lack thereof between the rod antenna and the pattern antenna when the rod antenna is in the retracted position.

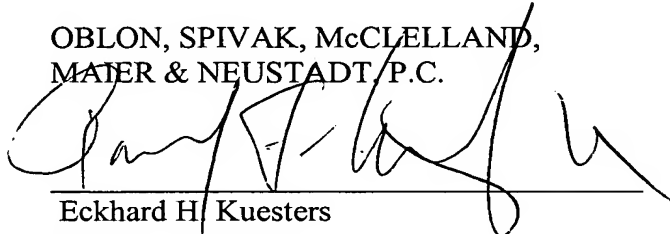
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Reply to Office Action of September 17, 2003

Also, note that the Drawing Replacement Sheet for FIG. 1 was submitted along with the paperwork filed on June 18, 2003.

As no further issues are believed outstanding in the present application, it is believed to be clearly in condition for formal allowance. Accordingly, an early and favorable action to that effect is therefore earnestly and respectfully requested.

Respectfully submitted,

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A handwritten signature in black ink, appearing to read 'Eckhard H. Kuesters', is written over a horizontal line.

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